

**Listing and Amendments to the Claims**

This listing of claims will replace the claims that were published in the PCT Application and identified in the International Preliminary Examination Report:

1. (currently amended) An image projection system comprising:
  - a light valve ~~(12)~~ comprising a pixel matrix array ~~(120)~~ disposed in rows and columns on a substrate ~~(100)~~ forming an active matrix,
  - an illumination system ~~(1)~~ for moving bands of different colored light over the light valve ~~(12)~~, perpendicularly to said rows,
  - means for identifying the illumination color of each row of pixels ~~(120)~~ of the light valve ~~(12)~~,
  - means of managing video data ~~(15)~~ of said images for controlling the writing of said pixels of the light valve ~~(12)~~,
  - means of synchronizing ~~(11)~~ the video data sent to each row of pixels ~~(120)~~ of the light valve ~~(12)~~ according to the illumination color of said row identified by said identification means,

~~characterized in that~~ wherein the identification means comprise at least one photosensitive sensor disposed level with said pixels of the light valve ~~(12)~~.
2. (currently amended) The image projection system as claimed in claim 1,  
~~characterized in that~~ wherein each sensor is disposed level with a row of pixels of the light valve, and in that there are fewer sensors than there are rows of pixels, and in that it comprises calculation means for deducing the illumination color of the rows of pixels that are not provided with a sensor according to data delivered by said sensors.
3. (currently amended) The image projection system as claimed in claim 1,  
~~characterized in that~~ wherein the identification means comprise at least one photosensitive sensor ~~(121)~~ level with each row of pixels ~~(120)~~ of the light valve ~~(12)~~, each sensor of a row being designed to identify the illumination color of that row.

4. (currently amended) The image projection system as claimed in ~~any one of the preceding claims~~, characterized in that claim 3, wherein the or each photosensitive sensor (121) of the light valve (12) is incorporated in said substrate (100).
5. (currently amended) The image projection system as claimed in claim 3 ~~or claim 4 dependent on claim 3~~, characterized in that , wherein the or each photosensitive sensor (121) level with each row of pixels (120) is designed to measure the illumination intensity of each row of pixels (120) of the light valve (12).
6. (currently amended) The image projection system as claimed in ~~any one of the preceding claims~~, characterized in that claim 3, wherein the or each photosensitive sensor (121) is associated with a colored filter (109).
7. (currently amended) The image projection system as claimed in claim 6, ~~characterized in that~~ wherein said colored filter (109) associated with said photosensitive sensor (121) of each row of pixels (120) of the light valve (12) forms a continuous band associated with the set of photosensitive sensors (121) of each row of pixels (120) of the light valve (12).
8. (currently amended) The image projection system as claimed in ~~any one of the preceding claims~~, characterized in that claim 3, wherein the light valve (12) is of reflective type.